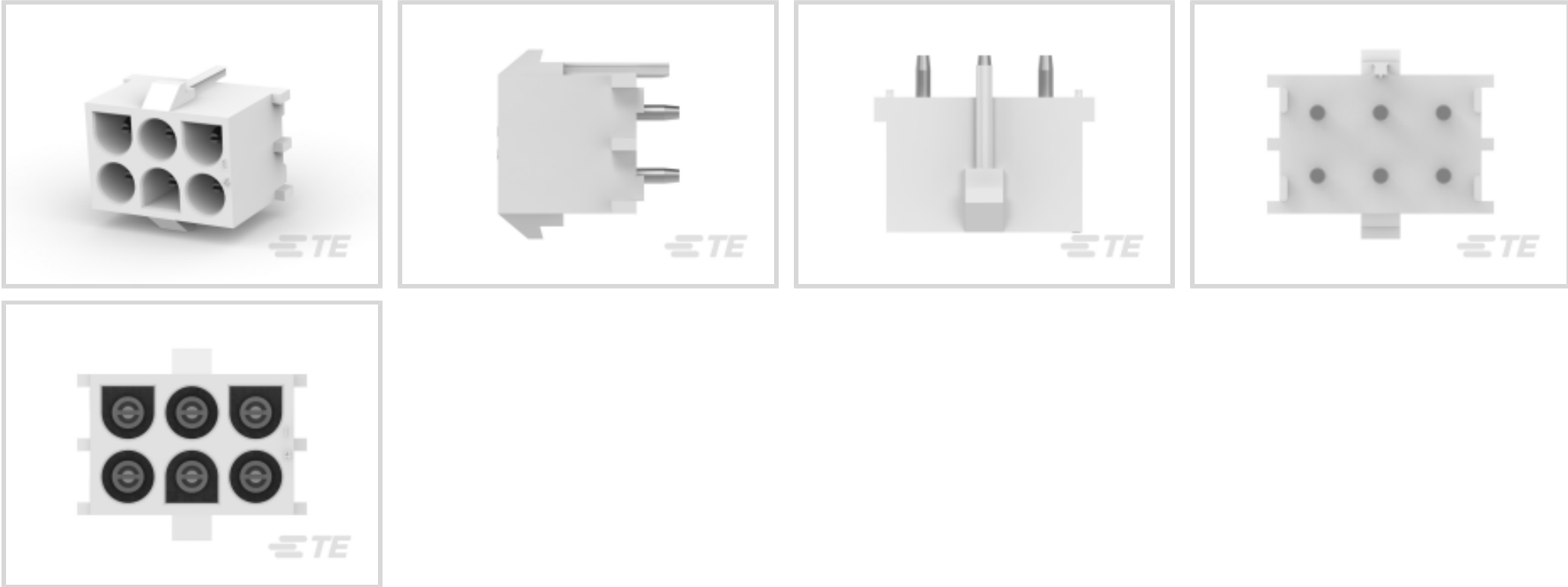




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**

Connector System: **Wire-to-Board**

Number of Positions: **6**

Number of Rows: **2**

Centerline (Pitch): **6.35 mm [.25 in]**

Features

Product Type Features

Mixed & Hybrid Header	No
Connector Shape	Rectangular
PCB Connector Assembly Type	PCB Mount Header
Connector System	Wire-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Power Positions	6
Number of Columns	3
Number of Loaded Positions	6
Connector Contact Load Condition	Fully Loaded
Number of Positions	6
Number of Rows	2
PCB Mount Orientation	Vertical



Electrical Characteristics

Operating Voltage	600 VAC
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Body Features

Primary Product Color	Natural
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Contact Features

Contact Size	2.2mm
PCB Contact Termination Area Plating Material Thickness	3.81 – 5.08 µm[150 – 200 µin]
Contact Layout	Matrix
Mating Pin Diameter	2.2 mm[.087 in]
Contact Underplating Material Thickness	1.27 – 1.79 µm[50 – 70 µin]
Contact Mating Area Plating Material Thickness	3.81 – 5.08 µm[150 – 200 µin]
Contact Shape & Form	Round
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Pre-Tin
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Pre-Tin
Contact Type	Pin
Contact Current Rating (Max)	12 A

Termination Features

Termination Post & Tail Diameter	1.57 mm[.062 in]
Termination Post & Tail Length	3.56 mm[.14 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

PCB Mount Alignment Type	Standard Polarized Tail
Mating Alignment Type	Polarization
Mating Retention	With
Panel Mount Feature	Without
Mating Retention Type	Locking Tab
Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	With
PCB Mount Retention	Without



Housing Features

Mating Entry Location	Top
Housing Material	Nylon
Centerline (Pitch)	6.35 mm[.25 in]

Dimensions

Connector Length	20.32 mm[.8 in]
Connector Height	13.97 mm[.55 in]
Connector Width	13.97 mm[.55 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]
Profile Height from PCB	14.73 mm[.58 in]
Row-to-Row Spacing	6.35 mm[.25 in]

Usage Conditions

Operating Temperature (Max)	105 °C[221 °F]
Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]

Operation/Application

Circuit Application	Power
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Industry Standards

UL Rating	Recognized
Glow Wire Rating	Standard Part - Not Glow Wire
Compatible With Agency/Standards Products	CSA, UL, VDE
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-2

Packaging Features

Packaging Quantity	100
Packaging Method	Bag

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241)



Candidate List Declared Against: JUNE 2024 (241)
Does not contain REACH SVHC

Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Wave solder capable to 265°C

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts

 TE Part # 350812-1 STR/REL CLAMP UMNL	 TE Part # 640715-1 06P UMNL STR/REL	 TE Part # 1-350590-0 STR/REL CLAMP NATL	 TE Part # 1586860-1 06P UMNL CAP HSG, GW
 TE Part # 643749-1 06P UMNL HDR ASSY W/O DRNS	 TE Part # 1-640721-0 06P UMNL STR/REL & INSRT NATL	 TE Part # 926682-3 06P UNIV.M-N-L.HSG.	 TE Part # 641968-3 04P UMNL PIN HDR ASSY POL 94VO



TE Part # 1-480704-0
06P UMNL PLUG HSG NATL



TE Part # 794536-1
06P UMNL CAP HSG 150C BLK



TE Part # 794096-1
06P UMNL PLUG



TE Part # 1586090-1
06P UMNL PINHDR NO DRAIN HOLE



TE Part # 2029367-1
06P UMNL-II TW-N-LK-CAP FRONT



TE Part # 926682-1
UNIVERSAL M-N-L CAP 6 POS



TE Part # 1586887-1
06P UMNL CAP HSG, P/M, GW



TE Part # 8-794536-1
06P UMNL CAP HSG 150C BLK, SPE



TE Part # 926682-4
6P UN-MNL AUFN-GEH



TE Part # 1586090-3
06P UMNL PINHDR W/O DR HOLE LF



TE Part # 1969881-1
06P UMNL CAP HSG, P/M, GW V0



TE Part # 2029369-1
06P UMNL-II REAR, TW-N-LK-CAP

Also in the Series | Universal MATE-N-LOK



Circular Power Connectors(2)



Connector Caps & Covers(34)



Connector Contacts(209)



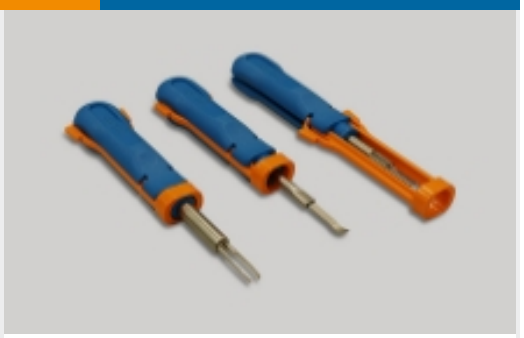
Connector Hardware(12)



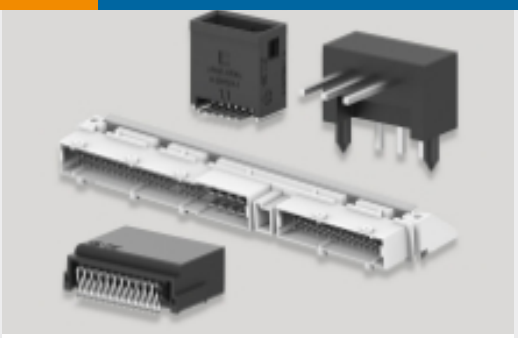
Connector Seals & Cavity Plugs(27)



Connector Strain Relief(7)



Insertion & Extraction Tools(4)



PCB Headers & Receptacles(285)



Rectangular Connector Housings(1)



Rectangular Power Connectors(379)



Standard Circular Connectors(1)

Customers Also Bought



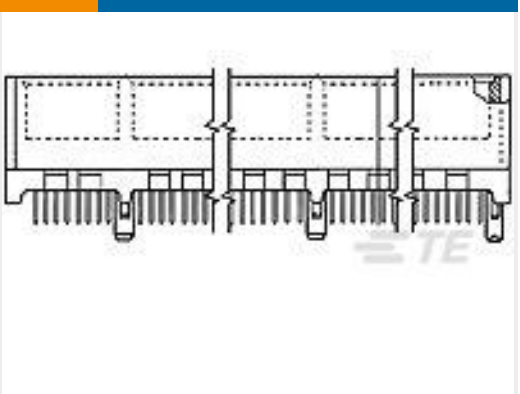
TE Part #1558676-3
T9GS1L24-12



TE Part #643488-1
03P CMNL HDR ASSY R/A



TE Part #794120-1
02P CMNL PC HDR ASSY RA



TE Part #5145165-4
STANDARD EDGE .050 SERIES 92
DUAL ASSY



TE Part #641963-1
02P UMNL PIN HDR ASSY POL NATL



TE Part #641967-1
04P UMNL PIN HDR ASSY POL NATL



TE Part #2307813-3
3P,2MM,BB,REC,SRVT,SMD,0.1AU,TR,
W/CP



TE Part #2307815-3
3P,2MM,BB,REC,SRVT,SMD,AU.76,TR,
W/CP

Documents

Product Drawings

06P UMNL PIN HDR ASSY V2 NATL

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_641969-1_N.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_641969-1_N.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_641969-1_N.3d_stp.zip

English

Customer View Model



[ENG_CVM_641969-1_M.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_641969-1_M.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_641969-1_M.2d_dxf.zip](#)

English

[3D PDF](#)

English

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Datasheets & Catalog Pages

[SOFT_SHELL_PIN_SOCKET_CONNECTORS_STANDARD_DENSITY](#)

English

Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL](#)

English